




THAMIRABHARANI ENGINEERING COLLEGE

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Chathirampudukulam, Chidambaranagar - Vepemkulam Road

Thatchanallur, Tirunelveli 627 358, Tamil Nadu.

FACULTY PROFILE

| PERSONAL DETAILS | | | | | | | |
|---|---|-----------------|------|-------------------|------------------------|------------------|------|
| Name & Qualification | Dr. A. Anna Lakshmi & M. E., Ph. D | | | | | | |
| Designation | Associate Professor | | | | | | |
| Department | CSE | | | | | | |
| Total Teaching Experience | 17.11 years | | | | | | |
| Total Research Experience | 10 | | | | | | |
| Total Industry Experience | 0 | | | | | | |
| Area of Specialization | Networks Security | | | | | | |
| Email ID | annalakshmia@tec-edu.in | | | | | | |
|  | | | | | | | |
| | | | | EDUCATION DETAILS | | | |
| | | | | Degree | Branch/ Specialization | University | Year |
| | | | | UG | CSE | M. S. University | 2003 |
| PG | CSE | Anna University | 2009 | | | | |
| Ph.D | Information and Communication Engineering | Anna University | 2019 | | | | |
| RESEARCH / PUBLICATION DETAILS | | | | | | | |
| Publications in Journal | | | | | | | |
| <ol style="list-style-type: none">1. A. Anna lakshmi, Dr.K.R. Valluvan, "A Survey of Algorithms for Defending MANETs against the DDoS Attacks" , International Journal of Advanced research in Computer Science & Software Engineering, Sep 2012.2. A. Anna lakshmi, Dr.K.R. Valluvan, N.Naveen, "A Cogitate study of IDS in MANET", International Journal of Computer Science and Information Technology & Security, Oct 2012.3. A. Anna lakshmi, A.Anandakumar, G.Nagaraj, K.R.Valluvan, " Comparative Analysis of Architectures for Intrusion Detection Systems against DoS Attacks in MANETs based on Chi-Square Test", International Journal of Computer Applications (0975 - 8887) Volume 87 - No.4, February 2014. | | | | | | | |

4. A. Anna lakshmi, K.R.Valluvan, " Support Vector Machine And Fuzzy Based Intrusion Detection And Prevention For Attacks In Manets" International Journal of Mobile Network Design and Innovation s, Volume 6 Issue 2, November 2015, Pages 63-72 , Inderscience.Publishers , Geneva, DOI 10.1504/IJMNDI.2015.072837.
5. A. Anna lakshmi, Dr.K.R.Valluvan," Cluster based Secure Group Communication Model for MANET" , International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 9 (2015), pp. 6820-6831.
6. A. Anna lakshmi, Dr.K.R.Valluvan," Certificate Based Secure Communication Scheme for Cluster Based Architecture in MANET", International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 4, December 2016.
7. A. Anna Lakshmi, M. Suganthi, R. Jeeva, D. G. David, "Novel Technique For Random Number Generation Using Cmos Image Sensor", AIP CP Volume 2444, 31 Mar 2022.

Conference Proceedings

1. A. Anna Lakshmi, Probabilistic approach to locate a Mobile node in a wireless domain, ETIC 2007, 7.9.2007.
2. A. Anna Lakshmi, S. Sasirekha, Identification of Mobile node in a wireless domain, NCRTAC'07, 5.10.2007.
3. A. Anna Lakshmi, A Natural Language Based Interface for Querying a Video Database, NCCT'09, 2009.
4. A. Anna Lakshmi, Dr. K. R. Valluvan, Comparative Analysis of Performance for Generalized Intrusion Detection Systems and Fuzzy based Intrusion Detection System in MANET, 2013.
5. N. Naveen, A. Anna Lakshmi, Trust node valuation and path reliability technique for intrusion detection in MANET, Pattern Recognition, Informatics and Mobile Engineering, 21.2.2013.
6. A. Anna Lakshmi, "Advanced Anti-Spam filter", 2011.
7. A. Anna Lakshmi, Dr. K. R. Valluvan, Defending MANETs against DoS attack by effective Intrusion Detection System, ICACT2013, 9.3.2013.
8. S. Elakkiya, A. Anna Lakshmi, "Secure Data Transfer Using MAES Algorithm in Cloud", ICETAC 2020, 6.3.2020.

Books / Chapters Published

NIL

Fund Received

| Sl. No. | Sponsored Agency | Title of the Project | Period | Amount |
|---------|------------------|---------------------------------|--------|--------|
| 1 | DST-NIMAT | Entrepreneurship Awareness Camp | 2017 | 20,000 |

Patent Applied / Published / Granted

| | | | |
|--|---|--|-------------|
| 1. A Utility Model Patent is filed which is entitled “Designing a micro jammer to avoid explosion in petrol stations due to mobile usage” in 2021. | | | |
| CITATIONS | - | | |
| H-INDEX | - | | |
| RESEARCH GUIDANCE DETAILS | | | |
| Sl. No. | University | Supervisor ID / Reference | |
| | | | |
| PROFESSIONAL SOCIETY MEMBERSHIP DETAILS | | | |
| Sl. No. | Professional Society Name | Member ID | |
| 1 | ISTE | LM50854 | |
| FACULTY DEVELOPMENT PROGRAMME(FDP) ATTENDED / ORGANIZED | | | |
| Sl. No. | Name of the FDP | Name and address of the venue | Year |
| 1. | Information System Security | Coimbatore Institute of Engineering and Information Technology, Coimbatore | 2006 |
| 2. | Business Intelligence And Data Warehousing | Nandha Engineering College, Erode | 2008 |
| 3. | Trends in Software Testing | CTS, Coimbatore | 2008 |
| 4. | Advance Techniques in Network Security | Nandha Engineering College, Erode | 2009 |
| 5. | Research Methodology | Sona College of Technology, Selam | 2011 |
| 6. | Mathematical Modeling and Applications to Computing Sciences | Sri Krishna College of Engineering and Technology | 2013 |
| 7. | A Wireless Sensor Network for the surveillance of Nuclear Radiation | KSR College of Engineering, Tiruchengode | 2013 |
| 8. | Design and Development of Engineering Applications using Free/Open Source Software (FOSS) | Velalar College of Engineering and Technology, Erode | 2019 |
| ADDITIONAL RESPONSIBILITIES | | | |
| Sl. No. | Responsibilities | Description | Year |

| | | | |
|------------------------------|-----------------------------|--|--------------------------------------|
| 1 | Admission Cell Coordinator | To coordinate admission related activities of the institution | 2015 - 2017 |
| 2 | EDC Coordinator | To conduct various Entrepreneurship awareness programs and make the students to get participation in Entrepreneurship camp | 2016 – 2019 September |
| 3 | IQAC Coordinator | To coordinate the quality related activities of the institution | 2016 – 2020, 2022 May onwards |
| AWARDS / ACHIEVEMENTS | | | |
| Sl. No. | Awards/ Achievements | Description | Year |
| 1 | Teaching | Cent Percent Result | 2014 |